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ABSTRACT OF THE DISCLOSURE

An arrangement for the cipher controlled exploitation of data resources (e.g., securely storing and retrieving sensitive data or securely registering and logging on a computer system) includes the steps of providing a subscriber identity module carrying a security algorithm; generating at least one, e.g., two, random values; subjecting the random value to the at least one security algorithm to generate at least one, e.g., two, session keys; processing the session keys via a mixer function such as a hash function to produce a cipher key; and using the cipher key thus produced for exploiting the data resources.